

IN THE SPECIFICATION:

Please amend the specification as follows:

Please amend paragraph [0001] as follows:

This invention was made with government support under Contract No. DE-FC26-01NT41229
~~97FT343656~~ awarded by the U.S. Department of Energy. The government has certain rights in the invention.

Please amend the abstract of the disclosure as follows:

A transmission line for downhole tools that make up all or part of a tool string for drilling and production of oil, gas, and geothermal wells that can withstand the dynamic gravitational forces and other accelerations associated with downhole excavations. The transmission line ~~comprises~~has a metal tube, or outer conductor, that houses a coaxial wire inner conductor. A non-metallic dielectric material is interposed between the inner and outer conductors. The outer and inner conductors and the dielectric are sufficiently compressed together so that independent motion between them is abated. Compression of the components of the transmission line may be achieved by drawing the transmission through one or more dies in order to draw down the outer conductor onto the dielectric, or by expanding the inner conductor against the dielectric using a mandrel or hydraulic pressure. Non-metallic bead segments may be used in aid of the compression necessary to resist the dynamic forces and accelerations of drilling.

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